

## **BORING WVS-110911-VAS01**

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**Environmental Protection Agency** West Vermont Street Speedway, Indiana W.O. # 20405.012.001.1624.00

Location: Start Date:

: Speedway, IN : 11/9/11

Driller: Geologist: : Russ Gordon

End Date: Drilling Method: : 11/9/11 : Sonic

: Brett Coulter

Subcontractor:

: WDC

MW-WES-01: GRAPHIC PID (ppm) Recovery Depth Sample uscs **DESCRIPTION** REMARKS in Feet 0-Air Knife 10 SANDY GRAVEL: Light Brown to Tan, Fine to Coarse Grained with Gravel and Cobbles, Little Silt and Clay, Dry, No Odor 75% 0.0 SW 75% 0.0 20 SANDY CLAY: Light Brown to Tan, Fine to Coarse Grained with Gravel and Cobbles, Little Clay, Dry, No Odor SC 75% 0.0 25 SANDY GRAVEL: Brown, Fine to Coarse Grained with Gravel VAS-1-01 from and Cobbles, Trace Silt, Wet, No Odor 25-30' BGS 85% 0.0 30 SW 32.5 95% 0.0 VAS-1-02 from 32.5-37.5' BGS MW-WES-01A 35 2 Installed 37.5 CLAY: Gray, Firm, Medium to High Plasticity, Some Sand and 95% 0.0 Trace Angular Gravel, Dry, No Odor

Hole Diameter: 8 inches Sampling Method: Continuous Drill Rig: Sonic

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## **BORING WVS-111011-VAS02**

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**Environmental Protection Agency** West Vermont Street Speedway, Indiana W.O. # 20405.012.001.1624.00

Location: Start Date: : Speedway, IN : 11/10/11

Driller:

: Russ Gordon

End Date: Drifling Method: Subcontractor:

: 11/11/11

: Sonic : WDC

Geologist;

: Brett Coulter

Depth

MW-WES-02:

PID (ppm) Recovery Sample

**REMARKS** 

in Feet	nscs	GRAPH	DESCRIPTION	
0-	Air Knife			
-				
5-				
1111				
10	sw		SANDY GRAVEL: Light Brown, Fine to Coarse Grained Sand and Gravel, Trace Silt, Fine to Coarse Grained Sub-Rounded Gravel, Dry, No Odor	
15	sc		SANDY CLAY: Light Brown, Medium to Coarse Grained Sand and Gravel, Cobbles, Little to Some Clay, Dense, Dry, No Odor	
	ML		SILT: Light Tan, Very Fine Sandy Silt, Dry, No Odor	
20	SP		SAND: Light Brown, Medium Grained Sand, Moist, No Odor	
20-	sw		SANDY GRAVEL: Brown, Medium to Coarse Grained Sand and Gravel with Some Cobbles, Rounded to Sub-Rounded Gravel, Wet, No ODor	
30-	SC.	///	SANDY CLAY: Brown Sand and Gravel with Some Clay	
35	sw		SANDY GRAVEL: Brown, Fine to Coarse Grained Sand and Gravel, Trace Silt, Loose, Wet, No Odor	
40	CL		CLAY: Gray, Dense Silty Clay with Sand and Gravel, Medium	

to High Plasticity, Moist, No Odor (Till)

80% 0.0 65% 0.0 95% 0.0 95% 0.0 MW-WES-02A -24 Installed from 24-29' BGS VAS-2-01 from 25-30' BGS 0.0 90% 29 95% 0.0 35 VAS-2-02 from 35-40' BGS 2 MW-WES-02B 95% 0.0 Installed

Hole Diameter: 8 inches Sampling Method: Continuous Drill Rig: Sonic

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### **BORING WVS-111411-VAS03**

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**Environmental Protection Agency** West Vermont Street Speedway, Indiana W.O. # 20405.012.001.1624.00

Location: Start Date: : Speedway, IN : 11/14/11

Driller:

: Russ Gordon

End Date: Drilling Method: : 11/15/11

: Sonic

Geologist:

: Brett Coulter

Subcontractor: : WDC MW-WES-03: Recovery PID (ppm) GRAPHIC Depth Sample nscs **DESCRIPTION** REMARKS Feet Air Knife SILTY SAND: Tan, with Sub-Rounded gravel, Fine to Medium Grained sand and Fine to Coarse Grained Gravel, Dry, No. 0.0 95% Odor 10 SM 95% 0.0 15 SILT: Brown to Gray, Medium to High Plasticity with Sand and Rounded to Sub-Rounded Gravel, Moist, No Odor (Till) 90% 0.0 SANDY GRAVEL: Brown, Fine to Coarse Grained Sand with 20 Fine Sub-Rounded Gravel, Moist, No Odor 95% 0.0 Wet, No Odor 25 95% 0.0 SANDY GRAVEL: Brown, Fine to Coarse Grained Sand with 30 30 Fine Sub-Rounded Gravel, Wet, No Odor VAS-3-01 from SW 30-35' BGS MW-WES-03A 95% 0.0 Installed 35 35 95% 0.0 SANDY GRAVEL: Brown, Fine to Coarse Grained Sand with 40 Fine Sub-Rounded Gravel, Wet, No Odor 40 VAS-3-02 from -SANDY GRAVEL: Brown, Fine to Coarse Grained Sand with 40-45' BGS Fine Sub-Rounded Gravel, Wet, No Odor MW-WES-03B 95% 0.0 installed

45 Hole Diameter: 8 inches Sampling Method: Continuous Drill Rig: Sonic

CL

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# **BORING WVS-111511-VAS04**

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**Environmental Protection Agency** West Vermont Street Speedway, Indiana W.O. # 20405.012.001.1624.00

Location: Start Date: : Speedway, IN : 11/15/11

Driller: Geologist: : Russ Gordon : Brett Coulter

End Date: Drilling Method: : 11/16/11

: Sonic Subcontractor:

: WDC

Depth in Feet	nscs	GRAPHIC	DESCRIPTION	MW-WES-04:	Recovery	PID (ppm)	Sample	REMARKS
0-			Air Knife	0				
5-								
10-								
10 1			SILTY SAND: Light Tan, Silty Sand and Gravel with Trace Cobbles, Sub-Rounded Gravel, Dry, No Odor			-		
15-	SM				65%	0.0		
, 1111				Monday and the second s				
20	ML		SILT: Tan, Sandy Silt with Little Gravel and Trace Cobbles, Rounded to Sub-Rounded, Dry, No Odor		75%	0.0		
111111			SANDY GRAVEL: Brown, Fine to Coarse Grained Sand and Gravel, Rounded to Sub-Rounded Gravel, Well Sorted, Wet, No Odor		75%	0.0		
25	0.4.							VAS-4-01 from 25-30' BGS
1111	SW				75%	0.0	1	MW-WES-04A Installed
30		96.514 33.534 33.534	SANDY GRAVEL: Brown, Fine to Coarse Grained Sand and Gravel, Rounded to Sub-Rounded Gravel, Well Sorted, Wet, No Odor	30				
l I I I I		777		राज्यासम्बद्धाः	80%	0.0		
35	CL		CLAY: Gray, Silty Clay with Coarse Sand and Little Gravel, Medium to High Plasticity, Moist, No Odor (Till)	35				
	OL.			38	80%	0.0		
40-	SP	777	SAND: Gray, Fine to Medium Grained, Poorly Graded, Wet, No Odor				2	VAS-4-02 from 39-44' BGS MW-WES-04B
	CL		CLAY: Silty Clay with Trace Coarse Sand and Trace Cobbles, Moist, No Odor (Till)	43 ——44	80%	0.0		Installed

Hole Diameter: 8 inches Sampling Method: Continuous Drill Rig: Sonic

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# **BORING WVS-111611-VAS05**

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Environmental Protection Agency West Vermont Street Speedway, Indiana W.O. # 20405.012.001.1624.00 Location: Start Date: : Speedway, IN : 11/16/11

Driller:

: Russ Gordon

End Date: Drilling Method: Subcontractor: : 11/16/11

: Sonic : WDC Geologist:

: Brett Coulter

Depth		2HIC	DECODIDION	MW-
in Feet	SCS	RAP	DESCRIPTION	

MW-WES-05:

Recovery
PID (ppm)
Sample

0.0

0.0

0.0

0.0

0.0

0.0

0.0

40%

80%

90%

95%

REMARKS

Depth in Feet	nscs	GRAPHIC	DESCRIPTION
0-	Air Knife		Air Knife
=			
=			
_			
5_		77	SANDY CLAY: Brown, Sandy Clay with Rounded to
-	SC		Sub-Rounded Gravel, Moist, No Odor
10			SANDY GRAVEL: Brown, Medium to Coarse Grained Sand, Fine to Coarse Gravel, Well Graded, Moist, No Odor
15			SANDY GRAVEL: Brown, Medium to Coarse Grained Sand, Fine to Coarse Gravel, Well Graded, Moist, No Odor
20	sw		SANDY GRAVEL: Brown, Medium to Coarse Grained Sand, Fine to Coarse Gravel, Well Graded, Moist, No Odor
25			SANDY GRAVEL: Brown, Medium to Coarse Grained Sand, and Gravel, Well Graded, Wet, No Odor
30			
35	SP		SAND: Brown, Fine Sand, Poorly Graded, Wet, No Odor
ורין די רייד ורייד די	CL		CLAY: Gray, Silty Clay with Little Sand and Rounded to Sub-Rounded Gravel, Medium to High Plasticity, Moist, No Odor

70%

25

32.5

37.5

40

VAS-5-01 from 20-25' BGS MW-WES-05A Installed

VAS-5-02 from 32.5-37.5' BGS MW-WES-05B

Installed

Hole Diameter: 8 inches Sampling Method: Continuous Drill Rig: Sonic

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